



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460

OPP OFFICIAL RECORD
HEALTH EFFECTS DIVISION
SCIENTIFIC DATA REVIEWS
EPA SERIES 361

OFFICE OF
PREVENTION, PESTICIDES AND
TOXIC SUBSTANCES

5-5-04

MEMORANDUM

SUBJECT: Thifensulfuron methyl. PC Code 128845. Product Chemistry Chapter for the Tolerance Reassessment Eligibility Decision [TRED] Document. DP Barcode DP 299767.

FROM: K. Dockter, Chemist
Reregistration Branch 2
Health Effects Division [7509C]

THRU: Alan Nielsen, Branch Senior Scientist
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TO: Diana Locke, Ph.D., Risk Assessor
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Thifensulfuron methyl [methyl 3-[[[(4-methoxy-6-methyl-1,3,5-triazin-2-yl)amino]carbonylamino]sulfonyl]-2-thiophenecarboxylate CAS 79277-27-3] is a postemergence herbicide registered for control of broadleaf and weed control in barley, soybeans, and wheat. A search of REFS conducted 3/4/04 identified 18 active products; one of which is the technical, EPA Reg. No. 352-529 containing 98% active.

The product chemistry data base is not complete. The available Generic Series 830 physical and chemical properties are given in the table below.

GLN		MRID	Data
6302	Color	FCH	white
6303	Physical state	"	solid
6304	Odor	--	

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7200	mp	FCH	186 C
7300	density	456452901	0.69 g/mL
7840	Water solubility	FCH	2400 ppm @ 25 C pH 6
6319	miscibility	"	low solubility
7950	vp	MI	2.7×10^{-6} mm Hg @ 25 C
7550	P _{ow}	"	0.027
7370	Dissociation constant	"	4.0
7000	pH	--	
7050	UV/Visible absorption	--	
6313	Stability to normal and elevated temperatures, metals, and metal ions	MI	stable for 1 yr @ ambient

FCH = Farm Chemical Handbook; MI = Merck Index; -- = data gap.

HCB and PCB have been detected in the technical at <100 ppb.

No regulatory actions are pending.

cc: RF, Dockter, D. Locke, J. Facey, S, Ary, R. Griffin.

RD/I Thifensulfuron methyl TRED Team

7509C RRB2 Rm712G 57886 KD/kd

Thifensulfuron TRED [47t] = DP299767



13544

R160539

Chemical Name: Thifensulfuron

PC Code: 128845

HED File Code: 11000 Chemistry Reviews

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HED Records Reference Center
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